

## Claims

What is claimed is:

1. A method of making a connector pin, comprising:  
providing a pin-shaped mold;  
positioning a plurality of electrical contacts in the pin-shaped mold;  
arranging the plurality of electrical contacts in at least two rows;  
providing a plurality of conducting wires, each having an end;  
electrically connecting the end of at least one conducting wire to each of the electrical contacts; and  
introducing insulating material into the mold to form a pin with electrical contacts positioned in at least two rows along the pin.
2. The method of Claim 1 further comprising providing a printed circuit board for electrically connecting the end of at least one conducting wire to each of the electrical contacts.
3. The method of Claim 1 wherein electrically connecting the end of at least one conducting wire to each of the electrical contacts comprises providing a printed circuit board for electrically connecting the end of at least one conducting wire to each of the electrical contacts, and wherein positioning the plurality of electrical contacts in the pin-shaped mold comprises positioning at least a printed circuit board in a mold.
4. The method of Claim 1 wherein the plurality of electrical contacts are temporarily held together in an array with bridging sections between the contacts, and the method further comprises cutting the bridging sections.
5. The method of Claim 1 wherein the contacts comprise stainless steel, nickel-plated stainless steel, gold-plated beryllium copper, titanium, tantalum, platinum, or platinum/iridium.

6. The method of Claim 1 wherein the at least two rows are not straight.
7. The method of Claim 1 further comprising forming at least one groove in the pin.
8. The method of Claim 1 further comprising forming at least one notch in the pin.
9. The method of Claim 1 wherein the connector pin is configured to provide electrical connection between any two selected from the group consisting of an implantable pulse generator, a trial stimulator, and external lead cable, a percutaneous lead extension, an implantable lead extension, and a lead containing an electrode array.
10. The method of Claim 1 wherein the connector pin includes a proximal portion and a distal portion and the method further comprises forming at the proximal portion a means for securely holding the pin.
11. The method of Claim 1 wherein the connector pin includes a proximal portion and a distal portion and the method further comprises forming a strain relief at the proximal portion.
12. The method of Claim 1 further comprising providing means for maintaining alignment of the pin during use.
13. The method of Claim 1 further comprising providing means for assuring proper orientation of the pin during use.
14. The method of Claim 1 further comprising providing means for activating an electrical connection with the electrical contacts of the pin.